

| INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i> | | | Docket Number (Optional) 04457 (3883.00040) | | Application Number 10/749,154 | | |
|---|-----|--------------------|--|------------------------|----------------------------------|----------------------------|----------------------------|
| | | | Applicant(s) Young et al. | | | | |
| | | | Filing Date December 30, 2003 | Group Art Unit 2632 | | | |
| U.S. PATENT DOCUMENTS | | | | | | | |
| *EXAMINER INITIALS | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | |
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| U.S. PATENT APPLICATION PUBLICATIONS | | | | | | | |
| *EXAMINER INITIALS | REF | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| ML | | US 2003/0196495 A1 | 10/2003 | Saunders et al. | 73 | 862.041 | |
| ML | | US 2003/0220766 A1 | 11/2003 | Saunders et al. | 702 | 173 | |
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| OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i> | | | | | | | |
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| EXAMINER <i>Alan</i> | | | DATE CONSIDERED <i>9/26/05</i> | | | | |
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ATTY DOCKET NO.
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| MV | 5,404,128 | 04/1995 | Ogino et al. | 340 | 425.5 | |
| | 5,474,327 | 12/1995 | Schousek | 280 | 735 | |
| | 5,570,903 | 11/1996 | Meister et al. | 280 | 735 | |
| | 5,594,222 | 01/1997 | Caldwell | 200 | 600 | |
| | 5,877,677 | 03/1999 | Fleming et al. | 340 | 436 | |
| | 5,890,758 | 04/1999 | Pone et al. | 297 | 15 | |
| | 5,931,254 | 08/1999 | Loraas et al. | 180 | 272 | |
| | 5,931,527 | 08/1999 | D'Onofrio et al. | 297 | 146 | |
| | 5,954,398 | 09/1999 | Namba et al. | 297 | 257 | |
| | 5,975,612 | 11/1999 | Macey et al. | 296 | 66 | |
| | 6,012,007 | 01/2000 | Fortune et al. | 701 | 45 | |

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EXAMINER

A. Lai

DATE CONSIDERED

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| U.S. PATENT DOCUMENTS | | | | | | | |
| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| <i>hvl</i> | | 6,020,812 | 02/2000 | Thompson et al. | 340 | 438 | |
| | | 6,030,038 | 02/2000 | Namba et al. | 297 | 257 | |
| | | 6,045,405 | 04/2000 | Geltsch et al. | 439 | 620 | |
| | | 6,059,358 | 05/2000 | Demick et al. | 297 | 188.04 | |
| | | 6,079,763 | 06/2000 | Clemente | 296 | 65.05 | |
| | | 6,089,641 | 07/2000 | Mattarella et al. | 296 | 64 | |
| | | 6,102,463 | 08/2000 | Swanson et al. | 296 | 37.15 | |
| | | 6,129,168 | 10/2000 | Lotito et al. | 180 | 273 | |
| | | 6,129,404 | 10/2000 | Mattarella et al. | 296 | 65.09 | |
| | | 6,138,067 | 10/2000 | Cobb et al. | 701 | 45 | |
| | | 6,250,671 | 06/2001 | Osmor et al. | 280 | 735 | |
| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| <i>ANL</i> | | 6,250,672 | 06/2001 | Ryan et al. | 280 | 735 | |
| | | 6,323,444 | 11/2001 | Aoki | 177 | 144 | |
| | | 6,342,683 | 01/2002 | Aoki et al. | 177 | 144 | |
| | | US 2002/0056975 A1 | 05/2002 | Yoon et al. | 280 | 735 | |
| | | 6,394,490 | 05/2002 | Osmor et al. | 280 | 735 | |
| | | US 2002/0079728 A1 | 06/2002 | Tame | 297 | 344.1 | |
| | | 6,422,595 | 07/2002 | Breed et al. | 280 | 735 | |
| | | US 2002/0098730 A1 | 07/2002 | Babala et al. | 439 | 248 | |
| | | 6,457,545 | 10/2002 | Michaud et al. | 180 | 272 | |
| | | 6,474,739 | 11/2002 | Lagerweij | 297 | 341 | |
| | | 6,476,514 | 11/2002 | Schondorf | 307 | 10.1 | |
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| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
| ML | | US 2003/0189362 A1 | 10/2003 | Lichtinger et al. | 297 | 217.3 | / |
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| FOREIGN PATENT DOCUMENTS | | | | | | | |
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| ML | 5,413,378 | 05/1995 | Steffens, Jr. et al. | 280 | 735 | / |
| | 5,485,000 | 01/1996 | Schneider | 235 | 494 | / |
| | 5,653,462 | 08/1997 | Breed et al. | 280 | 735 | / |
| | 5,694,320 | 12/1997 | Breed | 364 | 424.055 | / |
| | 5,731,781 | 03/1998 | Reed | 342 | 135 | / |
| | 5,739,757 | 04/1998 | Gioutsos | 340 | 667 | / |
| | 5,748,473 | 05/1998 | Breed et al. | 364 | 424.055 | / |
| | 5,810,392 | 09/1998 | Gagnon | 280 | 735 | / |
| | 5,822,707 | 10/1998 | Breed et al. | 701 | 49 | / |
| | 5,829,782 | 11/1998 | Breed et al. | 280 | 735 | / |
| ↓ | 5,835,613 | 11/1998 | Breed et al. | 382 | 100 | / |

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| | | | | | | YES | NO |
| ML | EP 0 689 967 A1 | 03/1996 | Europe | | | | ✓ |
| ↓ | WO 98/41424 | 03/1997 | WIPO | | | | ✓ |
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|---------------------|-----------------|---------|---------------|-------|----------|-------------------------------|
| N L | 5,848,802 | 12/1998 | Breed et al. | 280 | 735 | |
| | 5,901,978 | 05/1999 | Breed et al. | 280 | 735 | |
| | 5,943,295 | 08/1999 | Varga et al. | 367 | 99 | |
| | 5,971,432 | 10/1999 | Gagnon et al. | 280 | 735 | |
| | 6,027,138 | 02/2000 | Tanaka et al. | 280 | 735 | |
| | 6,039,139 | 03/2000 | Breed et al. | 180 | 271 | |
| | 6,043,743 | 03/2000 | Saito et al. | 340 | 562 | |
| | 6,056,079 | 05/2000 | Cech et al. | 180 | 273 | |
| | 6,078,854 | 06/2000 | Breed et al. | 701 | 49 | |
| | 6,081,757 | 06/2000 | Breed et al. | 701 | 45 | |
| ↓ | 6,088,640 | 07/2000 | Breed | 701 | 45 | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|----------------|-------|----------|-------------------------------|
| M | 6,101,436 | 08/2000 | Fortune et al. | 701 | 45 | |
| | 6,116,639 | 09/2000 | Breed et al. | 280 | 735 | |
| | 6,134,492 | 10/2000 | Breed et al. | 701 | 49 | |
| | 6,141,432 | 10/2000 | Breed et al. | 382 | 100 | |
| | 6,168,198 | 01/2001 | Breed et al. | 280 | 735 | |
| | 6,186,537 | 02/2001 | Breed et al. | 280 | 735 | |
| | 6,220,627 | 04/2001 | Stanley | 280 | 735 | |
| | 6,234,519 | 05/2001 | Breed | 280 | 735 | |
| | 6,234,520 | 05/2001 | Breed et al. | 280 | 735 | |
| | 6,242,701 | 06/2001 | Breed et al. | 177 | 144 | |
| V | 6,253,134 | 06/2001 | Breed et al. | 701 | 49 | |

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|------------------|-------------------|---------|----------------|-------|----------|----------------------------|
| ML | RE37,260 | 07/2001 | Varga et al. | 367 | 99 | |
| | 6,254,127 | 07/2001 | Breed et al. | 280 | 735 | |
| | 6,270,116 | 08/2001 | Breed et al. | 280 | 735 | |
| | 6,279,946 | 08/2001 | Johnson et al. | 280 | 734 | |
| | 6,283,503 | 09/2001 | Breed et al. | 280 | 735 | |
| | 6,324,453 | 11/2001 | Breed et al. | 701 | 45 | |
| | 6,325,414 | 12/2001 | Breed et al. | 280 | 735 | |
| | 6,330,501 | 12/2001 | Breed et al. | 701 | 49 | |
| | US 2002/0003345A1 | 01/2002 | Stanley et al. | 280 | 735 | |
| | 6,353,394 | 03/2002 | Maeda et al. | 340 | 667 | |
| ✓ | 6,393,133 | 05/2002 | Breed et al. | 382 | 100 | |

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|------------------|-----------------|---------|---------------|-------|----------|----------------------------|
| M L | 6,397,136 | 05/2002 | Breed et al. | 701 | 45 | |
| | 6,407,347 | 06/2002 | Blakesley | 177 | 144 | |
| | 6,412,813 | 07/2002 | Breed et al. | 280 | 735 | |
| | 6,416,080 | 07/2002 | Gillis et al. | 280 | 735 | |
| | 6,442,465 | 08/2002 | Breed et al. | 701 | 45 | |
| | 6,442,504 | 08/2002 | Breed et al. | 702 | 173 | |
| | 6,445,988 | 09/2002 | Breed et al. | 701 | 45 | |
| ↓ | 6,452,870 | 09/2002 | Breed et al. | 367 | 99 | |
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